Applicant: Deung-Mo Che et al.

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## Attorney's Docket No.: 12886-002001 / ODP 990037

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## Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

## Listing of Claims:

1. (Previously presented) A method for manufacturing hot rolled steel sheets comprising the steps of:

passing molten steel through a continuous caster having a mold after having been poured into a ladle and a tundish to manufacture a slab;

cutting the slab to predetermined lengths using a cutter to form a plurality of cut slabs; heating the cut slabs to a predetermined temperature in a first heating furnace; width rolling the cut slabs by using a width roller;

descaling the cut slabs in a reduction unit to a predetermined thickness to form a plurality of flat bars;

rolling the slabs in a reduction unit to a predetermined thickness in a second heating furnace:

coiling the flat bars by a coiling station while the flat bars are maintained in a heated state;

uncoiling the flat bars by an uncoiler; and

rolling the flat bars to a predetermined thickness in a finishing mill in a reversible manner.

- 2. (Original) The method of claim 1 wherein the slabs are heated to a temperature 1000°C and above by the first heating furnace.
- 3. (Original) The method of claim 2 wherein the slabs are heated to a temperature between 1000 and 1200°C for 5-6 minutes by the first heating furnace.

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4. (Cancelled) The method as in any one of claims 1-3 wherein the slabs undergo width rolling before being descaled and after being heated by the first heating furnace.

- 5. (Original) The method as in any one of claims 1-3 wherein the slabs being rolled in the reduction unit are maintained to a temperature between 800 and 1000°C at an output of the reduction unit.
- 6. (Previously presented) The method of claim 1 wherein the slabs being rolled in the reduction unit are maintained to a temperature between 800 and 1000° C at an output of the reduction unit.
- 7. (Original) The method as in any one of claims 1-3 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 8. (Cancelled) The method of claim 4 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 9. (Original) The method of claim 5 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 10. (Original) The method of claim 6 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 11. (Original) The method of claim 7 wherein a thickness of the slabs casted in the continuous caster is 100mm, and the slabs undergo liquid core reduction to a thickness of 80mm.
- 12. (Original) The method as in any one of claims 8-10 wherein a thickness of the slabs casted in the continuous caster is 100mm, and the slabs undergo liquid core reduction to a thickness of 80mm.

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13. (Withdrawn) A method for manufacturing hot rolled steel sheets comprising the steps of:

passing molten steel through a continuous caster having a first cutter to form a plurality of cut slabs;

heating the cut slabs to a first predetermined temperature in a first heating furnace; width rolling the cut slabs by using a width roller;

descaling the cut slabs heated in the first heating furnace;

rolling the slabs in a reduction unit to a predetermined thickness to form a plurality of flat bars:

heating the flat bars to a second predetermined temperate [of a second rolling] in a second heating furnace;

coiling the flat bars by a coiling station while the flat bars are maintained in a heated state;

uncoiling the plurality of flat bars by uncoilers; and

rolling the flat bars to a predetermined thickness in a finishing mill, in a reversible manner, while a rear end of a flat bar undergoing rolling is joined to a front end of another flat bar waiting to be rolled such that the flat bars can be continuously rolled; and

cutting the flat bars to a predetermined length by a third cutter.

- 14. (Withdrawn) The method of claim 13 wherein the slabs are heated to a temperature 1000°C and above by the first heating furnace.
- 15. (Withdrawn) The method of claim 14 wherein the slabs are heated to a temperature between 1000 and 1200°C for 5-6 minutes by the first heating furnace.
- 16. (Cancelled) The method as in any one of claims 13-15 wherein the slabs undergo width rolling before being descaled and after being heated by the first heating furnace.

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- 17. (Withdrawn) The method as in any one of claims 13-15 wherein the slabs being rolled in the reduction unit are maintained to a temperature between 800 and 1000°C at an output of the reduction unit.
- 18. (Withdrawn) The method of claim 13 wherein the slabs being rolled in the reduction unit are maintained to a temperature between 800 and 1000° C at an output of the reduction unit.
- 19. (Withdrawn) The method as in any one of claims 13-1 5 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 20. (Cancelled) The method of claim 16 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 21. (Withdrawn) The method of claim 17 wherein the slabs casted in the continuous caster undergo liquid core reduction,
- 22. (Withdrawn) The method of claim 18 wherein the slabs casted in the continuous caster undergo liquid core reduction.
- 23. (Withdrawn) The method of claim 19 wherein a thickness of the slabs casted in the continuous caster is 100mm, and the slabs undergo liquid core reduction to a thickness of 80mm.
- 24. (Withdrawn) The method as in any one of claims 20-22 wherein a thickness of the slabs casted in the continuous caster is 100mm, and the slabs undergo liquid core reduction to a thickness of 80mm.